

GLASS PASSIVATED BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 4.0 Amperes
<p>FEATURES</p> <ul style="list-style-type: none"> ● Surge overload rating - 125 amperes peak ● Ideal for printed circuit board ● Plastic material has underwriters laboratory flammability classification 94V-0 ● Mounting position: Any 	<div style="text-align: center; margin-bottom: 10px;"> 2GBJ </div> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
 Single phase, half wave ,60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ TA=50°C (Note1)	I(AV)	4.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	125							A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage	IR	10.0							µA
Maximum Reverse Current at Rated DC Blocking Voltage @ TJ =100°C	IR	1.0							mA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

Note:1.Mounting conditions,0.5" lead length maximum.

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

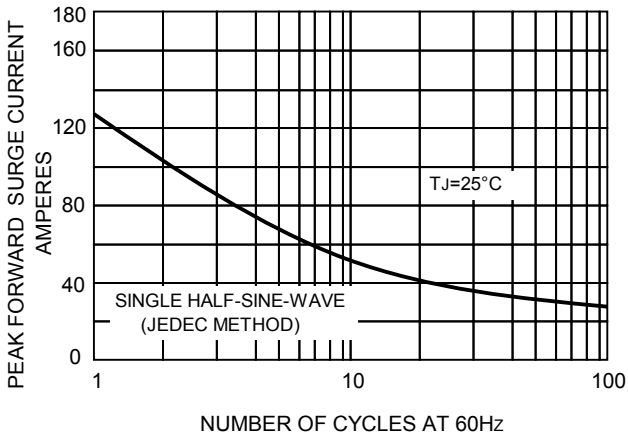


FIG.2-FORWARD DERATING CURRENT

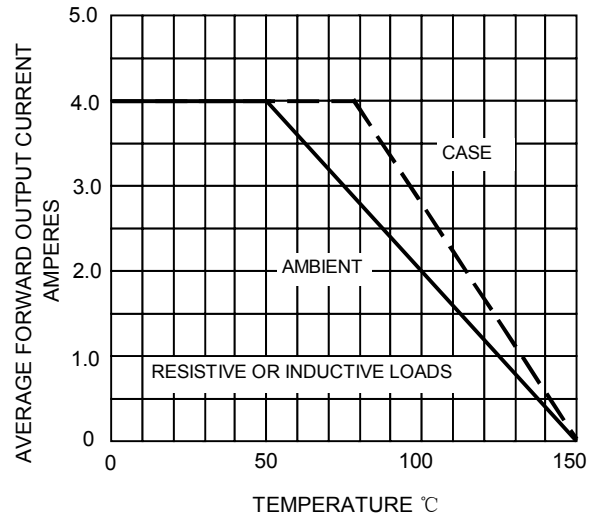


FIG.3-TYPICAL FORWARD CHARACTERISTICS

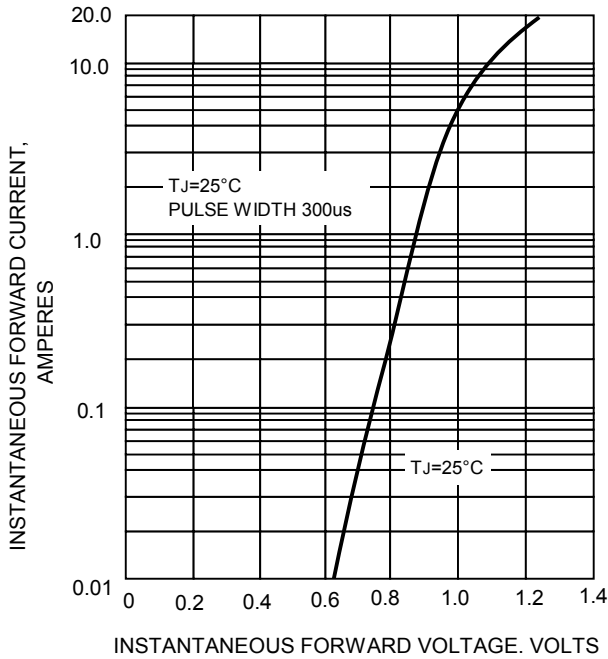


FIG.4-TYPICAL REVERSE CHARACTERISTICS

